SAW Filter 1216.88MHz  
Model: TA0288A  
Part No: MA05462  
Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC voltage: 3V
3. Operating Temperature: 0°C to +75°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Balanced to balanced operation  
Terminating source impedance: $Z_S = 200\Omega$  
Terminating load impedance: $Z_L = 200\Omega$

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency Fc</td>
<td>MHz</td>
<td>-</td>
<td>1216.88</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss 1212.88 ~ 1220.88MHz IL min</td>
<td>dB</td>
<td>-</td>
<td>4.5</td>
<td>6.0</td>
</tr>
<tr>
<td>Ripple 1212.88 ~ 1220.88MHz</td>
<td>dB</td>
<td>-</td>
<td>1.2</td>
<td>-</td>
</tr>
<tr>
<td>-3dB Bandwidth BW -3dB</td>
<td>MHz</td>
<td>-</td>
<td>15.9</td>
<td>-</td>
</tr>
<tr>
<td>-4dB Bandwidth BW -4dB</td>
<td>MHz</td>
<td>13.75</td>
<td>16.8</td>
<td>-</td>
</tr>
<tr>
<td>-12dB Bandwidth BW -12dB</td>
<td>-</td>
<td>22.5</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Attenuation:(Reference level from IL min)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fc -95 to Fc -80MHz</td>
<td>dB</td>
<td>50</td>
<td>56</td>
<td>-</td>
</tr>
<tr>
<td>Fc -80 to Fc -65MHz</td>
<td>dB</td>
<td>47</td>
<td>53</td>
<td>-</td>
</tr>
<tr>
<td>Fc -36MHz</td>
<td>dB</td>
<td>43</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>Fc +60 to Fc +70MHz</td>
<td>dB</td>
<td>43</td>
<td>52</td>
<td>-</td>
</tr>
</tbody>
</table>

Note:  
IL min is the minimum of the pass band attenuation. The center frequency Fc is the mean value of the upper and lower frequencies at the 4dB filter attenuation level relative to the IL min.
C. MEASUREMENT CIRCUIT:

D. OUTLINE DRAWING:

1, 2: Balanced Input
5, 6: Balanced Output
3, 4, 7, 8: Ground

Unit: mm
SAW Filter 1216.88MHz
Model: TA0288A
Part No: MA05462
Rev No: 1

E FREQUENCY CHARACTERISTICS:

Narrowband

Wideband
F. PACKING:

1. REEL DIMENSION

![Reel Dimension Diagram]

2. TAPE DIMENSION

![Tape Dimension Diagram]